APPENDIX C

Global Naval Ordnance Positioning Plan-Tool (GNOPP)
Interface and Planned Capabilities

a. The GNOPP-Tool is designed to provide ordnance stockpile management information for the Chief of Naval Operations as well as other Navy and Marine Corps major commands. The GNOPP-Tool will interface with CAIMS and TAIMS and share non-nuclear ordnance data as described in each of the modules below. This tool will not duplicate the data contained in naval ordnance systems, but rather will manipulate the data to satisfy specified logistics and operational planning requirements. The interface capability will enable the GNOPP-Tool to receive, store, manipulate, display and share CAIMS data elements and data element assemblies. CAIMS and TAIMS data will be used to populate and continually update the CRIS, IPQR, and GCA modules and manipulate the data as described in the module descriptions below.

b. The Complete Round Information System (CRIS) Module will maintain and display All Up Round (AUR) configuration data from CAIMS and TAIMS supplied ordnance asset inventories, including end items, components, and sub-components where applicable.

c. The AUR will be displayed by mission, category, family and platform. This data will be readily integrated into other GNOPP-Tool calculations. CRIS will require direct interface with CAIMS, TAIMS and other logistics modules (i.e., Technical and Inventory Data Files) to obtain the information required to satisfy senior naval management objectives. The data elements required by CRIS and the other GNOPP Tool modules include:

(1) Navy Ammunition Logistics Code (NALC)

(2) Navy Item Identification Number (NIIN)

(3) Navy Supply Cognizance Code (COG)

(4) Fleet Issue Unit Load (FIUL) Short Ton Data

(5) Condition Code

(6) Purpose Code

(7) Ownership Code

(8) Location and Quantity by Condition Code for Activity Unit Identification Code (UIC)

(9) Worldwide Quantity by Condition Code

(10) Production Delivery Schedules

(11) Training, Testing and Current Operation Requirements (TTCOR) and Non-Combat Expenditure Allocations (NCEA)

(12) OPLAN Combat Expenditure (CE) Requirements

(13) Major Combat Operations (MSO)/OPLAN Timelines

(14) Weapon to Platform Compatibility and Configuration Data

(15) Ordnance Item Nomenclature

(16) CAIMS Control Number

(17) Ordnance Item (NALC) Substitutability

d. The CRIS Module is structured to provide static and ad hoc reports for both logistics and operational planning purposes and includes:

(1) Drill Down Reports. Permits the user to access CRIS information by **Mission** (Air to Air, Surface to Air, Antisubmarine Warfare, Theater Land Attack, etc.), **Category** C-2 (Air Intercept Missile, Air Launched/FP, Sea Control Torpedo/FP, etc.), **Family** (Air Sparrow, Phoenix, etc.), and **Weapon** (Air Sparrow, AMRAAM, MK 50 Mod 0 Blk 1 Tube Launched, Surface TLAM C II, etc.).

(2) Report by Weapon ID/NALC. Permits the user to search the CRIS database by **Wild Card Search** (Sparrow, Tomahawk, etc), **by Weapon ID** (174 = Air Sparrow, 2= Penguin, etc.), and **NALC**. When searching by NALC the output will be a listing of all of the Weapon IDs and Weapon Names in which that NALC appears.

(3) Platform Compatibility. Permits the user to search the CRIS database for all GNOPP weapons that can be fired by a specified platform. The listing will not necessarily be found on the platform or platform group in IPQR, but rather is a listing of all of the GNOPP weapons that a particular platform is capable of firing.

(4) GNOPP Munitions Reference Guide. Permits the user to view a listing of weapons grouped by Category, i.e., Air Intercept Missile Air Launched/FP. The information in the report will be displayed from left to right as **Category**, **Family**, **Weapon ID**, **Weapon Name**, and the **First NALC** of the NALC string from CRIS. This report is similar to the Current Readiness Report (CRR), and would be a good report to print as reference material for all of the GNOPP-Tool.

(5) GNOPP Detailed Reference Guide. Same as above, but also includes all the components to make up the AUR of the weapons contained in the report.

e. The Interim Positioning Quantity Requirement (IPQR) Module is structured to provide visibility of all naval non-nuclear ordnance requirements and display these requirements in specific categories, compare the requirements with worldwide available ordnance assets and produce several static and ad hoc reports for logistics and operational planning purposes. The report includes:

(1) Forward Presence (GNFPP) Carrier Strike Groups – Provides the user with information concerning the types and quantities of GNOPP-related shipfill ordnance aboard each notional unit of the seven (7) GNFPP carrier strike groups, and a total for each weapon.

(2) MCO/Surge Carrier Battle Groups - Provides the user with information concerning the types and quantities of GNOPP-related initial shipfill ordnance aboard each notional unit of the SURGE carrier strike groups, and a total for each weapon.

(3) Other Combat Loads - Provides the user with information concerning the types and quantities of GNOPP-related shipfill ordnance aboard other units including MPS Squadrons, notional ESG's, MCDS ships, MASPS, ACC "G" and 1 MEF.

(4) Strategic Readiness Requirement – Provides the user with information concerning the types and quantities of GNOPP-related shipfill ordnance aboard two MEFs, one WHG, other normally loaded ships not included above, and treaty obligations.

(5) Combat Expenditures (CE) – Provides the user with the types and quantities of ordnance required for OPLAN combat expenditure.

(6) Training (NCEA) – Provides the user with the types and quantities of ordnance authorized for training, testing and operational requirements such as EOD, Search and Rescue, etc.

(7) IPQR Summary – Displays a summary of the types and quantities of required ordnance by category, i.e., GNFPP, CSG, etc.

(8) Positioning Quantity (PQ) Summary - Displays a summary of the types and quantities of ordnance remaining as a positioning quantity after applying Rules 1 and 2 to the total IPQR.

(9) IPQR vs. GCA – Provides a quick look of requirements vs. available assets, as defined in GCA, highlighting the lesser of the two categories.

(10) Two Optimal Building Reports (by Weapon ID and by Lead NALC) to demonstrate shortfalls to AUR configurations for the IPQR non-nuclear ordnance.

f. The GCA module provides worldwide visibility, by Condition Code, of all naval non-nuclear ordnance as of 1 October of each fiscal year, based on the 30 September inventory of the previous year. The GCA reports include:

(1) GNOPP Asset Summary Report – Provides the user with visibility of the worldwide non-nuclear ordnance constrained by condition code. The columns of the report include Combat Usable Assets (CUA), Unconstrained Assets, Current Year plus One Year anticipated production deliveries, Constrained Assets, and total CAIMS/TAIMS inventory.

(2) GNOPP Constrained Assets by Weapon ID – Enables the user to select the desired Weapon ID and the report will display all the parts required to build the weapon by Standard Name, Lead NALC, NALC String and the CUA and GCA for that weapon.

(3) GNOPP Munitions CUA vs. GCA Quick Look – Provides the user with a report that lists all the GNOPP-related ordnance comparing CUA to GCA. GNOPP-Related Worldwide Assets:

(a) Limited Positioning Assets (D, E, K) – Provides the user with a report that lists all the GNOPP-related ordnance in Condition Codes D, E, and K.

(b) GNOPP NALC Assets by UIC – Provides the user with a report that lists all GNOPP-related ordnance by NALC and UIC.

(c) GNOPP UIC Assets by Weapon ID – Enables the user to select a Weapon ID and the report provides a list of all UICs that have reported the selected weapon and the total quantity.

(d) GNOPP UIC Assets by NALC – Same as above except the user selects a NALC.

(e) GNOPP UIC Assets by NIIN – Same as above except the user selects a NIIN.

(f) GNOPP UIC Assets by Control_NUM – Same as above except the user selects a CAIMS/TAIMS control number.

(g) The Daily Deficit Module (DDM) provides the war fighter and logistics planner with the daily deficit of each required ordnance item and its substitutes, including components, where required. The module compares the in-theater, on-hand ordnance to the IPQR Combat Expenditure requirement to produce reports by:

(1) Deficit Quantities

(2) DD by Weapon ID

(3) DD by Day

(4) DD First Red Day

(5) DD Summary by Day

(6) Deficit Tonnage

(7) DD Tonnage by Weapon ID

(8) DD Global Tonnage

(9) DD Tonnage by Strike Group

(10) Cumulative Reports:

a) By Day

b) By Strike Group

(h) The GNOPP-Tool operates in an active state twenty-four (24) hours a day, seven (7) days a week except for planned maintenance periods that will be defined and promulgated. As stated earlier, the tool's ordnance asset databases are CAIMS and TAIMS. GNOPP-Tool is deployed on the NOLSC-AMMO SIPRNet with access controlled by user identification and password protocols. The tool will be backed up regularly on a daily basis and is designed with Graphical User Interface (GUI) parameters, providing on-line help and Help Desk information.